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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Van Steenkiste et al..

Group Art Unit 1762

Attorney Docket Number **DP-306711CIP1**

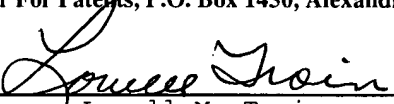
Serial No. 10/616,490

Filed: July 9, 2003

Title: Spray System With Combined Kinetic Spray And Thermal Spray Ability

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MS: DD, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

4-21-2005

  
Lowell M. Train

STATEMENT ACCOMPANYING

INFORMATION DISCLOSURE STATEMENT

Applicant(s) requests the Examiner to consider and make of record the reference(s) and/or information on attached PTO 1449.

**CHECK ONE: (A, B, or C.)**

☐ A. This statement is submitted within 1) three months after the filing date (even if after the first action); or 2) within three months of the date of entry of the national stage or 3) before the mailing date of a first Office Action. No fee or statement is required.

☒ B. This statement is submitted after the period specified in para. A, but before Final Office Action or Notice of Allowance or the close of prosecution.

**CHECK ONE: (1, 2, or 3)**

- ☐ 1. I hereby state that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- ☐ 2. I hereby state that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement.
- ☐ 3. Charge the fee set forth in § 1.17(p) to Delphi Technologies, Inc. Deposit Account No. 50-0831.
- ☐ C. This statement is submitted after a Final Office Action or Notice of Allowance or the close of prosecution, but before payment of the issue fee. Charge the fee set forth in § 1.17(p) to Delphi Technologies, Inc. Deposit Account No. 50-0831.

**CHECK ONE: (1 or 2)**

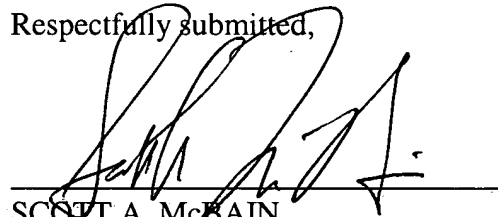
- ☐ 1. I hereby state that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- ☐ 2. I hereby state that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement.

**REMARKS UNDER 1.98 (a)(3)**

The non-English language documents submitted herewith are relevant because they disclose spray coating of articles.

Please consider the attached reference(s) which have come to the attention of Applicants since the last submission of an IDS. If any fee should be required, please charge the appropriate fee to Delphi Technologies, Inc. Deposit Account No. 50-0831.

Respectfully submitted,

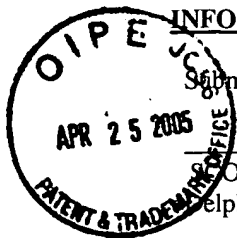
A handwritten signature in black ink, appearing to read 'Scott A. McBain', is written over a horizontal line.

SCOTT A. McBAIN

Reg. No. 37,181

Telephone (248) 813-1235

enc: PTO 1449



## INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No. DP-306711 CIP1	Serial No. 10/616,490
ROTT A. MCBAIN Telphi Technologies, Inc.,	Applicant Van Steenkiste et al.	
Reg. No. 37181	Filing Date July 9, 2003	Group 1762

## U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	2,861,900	11/25/1958	Smith, et al.			
	3,100,724	08/14/1964	Rocheville			
	3,876,456	04/08/1975	Ford, et al			
	3,993,411	11/23/1976	Babcock, et al.			
	3,996,398	12/1976	Manfredi			
	4,263,335	04/21/1981	Wagner, et al.			
	4,416,421	11/22/1983	Browning, et al.			
	4,606,495	08/19/1986	Stewart, Jr., et al.			

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Document Number	Date	Country	Class	Subclass	Translation Yes   No
03009934	02/06/2003	WO			Yes
04180770	06/26/1992	JP			Abstract Only
04243524	08/31/1992	JP			Abstract Only

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Van Steenkiste, et al; Kinetic Spray Coatings; in Surface & Coatings Technology III; 1999, pp62-71

Liu, et al; Recent Development In the Fabrication of Metal Matrix-Particulate Composites Using Powder Metallurgy Techniques, in Journal of Material Science; 1994; pp 1999-2007; National University of Singapore, Japan

Papyrin; The Cold Gas-Dynamic Spraying Method A New Method For Coatings Deposition Promises A New Generation of Technologies, Novosibirsk, Russia

McCune, et al; Characterization of Copper And Steel Coatings Made By The Cold Gas-Dynamic Spray Method; National Thermal Spray Conference

Examiner

[Date Considered]

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SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant	
	Filing Date	Group
Reg. No. 37181		

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	4,939,022	07/03/1990	Palanisamy			
	5,187,021	02/16/1993	Vydra, et al			
	5,217,746	06/1993	Lenling, et al			
	5,271,965	12/21/1993	Browning			
	5,302,414	04/12/1994	Alknimor, et al			
	5,308,463	05/03/1994	Hoffmann, et al			
	5,340,015	08/23/1994	Hira, et al.			

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Document Number	Date	Country	Class	Subclass	Translation Yes   No
42 36 911	12-23-1993	Germany			No
55031161	03-05-1980	Japan			Abstract Only
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| Alkhimov, et al; A Method of "Cold" Gas-Dynamic Deposition; Sov. Phys. Kokl. 36 (12; December 1990; pp. 1047-1049

Dykuizen, et al; Impact of High Velocity Cold Spray Particles; in Journal of Thermal Spray Technology 8(4); 1999 pp. 559-564

| Swartz, et al; Thermal Resistance At Interfaces; Appl. Phys. Lett., Vol. 51, No 26, 28; December 1987; pp 2201-2201.

| Davis, et al; Thermal Conductivity of Metal-Matrix Composites; J. Appl. Phys. 77(10), May 15, 1995; pp.4494-4960

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	5,395,679	03/07/1995	Myers, et al.			
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	5,464,146	11/07/1995	Zalvzec, et al.			
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	5,525,570	06/11/1996	Chakraborty, et al.			
	5,527,627	06/18/1996	Lautzenhiser, et al.			
	5,585,574	12/17/1999	Sugihara, et al.			

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98/22639	05/1998	WO			
199 59 515	06/13/2001	Germany			No
100 37 212	01/17/2002	Germany			No

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| Stoner, et al; Measurements of the Kapitza Conductance between Diamond and Several Metals; Physical Review Letters, Volume 68, Number 10, March 9, 1992; pp. 1563-1566

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| Johnson, et al; Diamond/Al metal matrix composites formed by the pressureless metal infiltration process; J. Mater. Res., Vol. 8, No. 5, May 1993; pp. 1169-1173.

| Rajan, et al; Reinforcement coatings and interfaces in Aluminum Metal Matrix Composites; pp. 3491-3503.

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	5,648,123	07/15/1997	Kuhn, et al.			
	5,683,615	11/04/1997	Munoz			
	5,795,626	08/18/1998	Grabel, et al.			
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101 26 100	12/05/2002	Germany			No
1 160 348	12/05/2001	EP			Yes
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	5,952,056	09/14/1999	Jordan, et al.			
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I.J. Garshelis, et al; Development of a Non-Contact Torque Transducer For Electric Power Steering Systems; SAE Paper No. 920707; 1992; pp. 173-182.

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J.E. Snyder, et al; Low Coercivity Magnetostrictive Material With Giant Piezomagnetic d33, Abstract Submitted for the MAR 99 Meeting of the American Physical Society.

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Pavel Ripka, et al; Pulse Excitation of Micro-Fluxgate Sensors, IEEE Transactions on Magnetics, Vol. 37, No. 4, July 2001, pp. 1998-2000.

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| Trifon M. Liakopoulos, et al; Ultrahigh Resolution DC Magnetic Field Measurements Using Microfabricated Fluxgate Sensor Chips, University of Cincinnati, Ohio, Center For Microelectronic Sensors and MEMS, Dept. of ECECS pp. 630-631.

| Derac Son, A New Type of Fluxgate Magnetometer Using Apparent Coercive Field Strength Measurement, IEEE Transactions on Magnetics, Vol. 25, No. 5, September 1989, pp.3420-3422

| O. Dezaury, et al; Printed Circuit Board Integrated Fluxgate Sensor, Elsevier Science S.A. (2000) Sensors and Actuators, pp. 200-203.

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| Hoton How, et al; Development of High-Sensitivity Fluxgate Magnetometer Using Single-Crystal Yttrium Iron Garnet Film as the Core Material, ElectroMagnetic Applications, Inc.

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	6,402,050	06/11/2002	Subramanian, et al			
	6,422,039	08/27/2002	Schreiber			
	6,422,360	07/26/2002	Oliver, et al.			
	6,465,039	10/15/2002	Pinkerton, et al.			
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| Ripka, et al; Microfluxgate Sensor With Closed Core, submitted for Sensors and Actuators, Version 1, June 17, 2000.

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| Cetek 930580 Compass Sensor, Specifications, June 1997

| Geyger, Basic Principles Characteristics and Applications, Magnetic Amplifier Circuits, 1954, pp. 219-232.

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	6,623,796	09/23/2003	Van Steenkiste, et al.			
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	2002/ 0102360	08/01/2002	Subramanian, et al.			
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